

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF)	
SATOSHI EBATA, ET AL.)	Group Art Unit: 4131
SERIAL NO.: 10/581,525)	EXAMINER: HUH, RICHARD A.
FILED: JUNE 2, 2006)	
FOR: PROCESS FOR PRODUCING)	
CYCLOOLEFIN ADDITION)	
POLYMER)	

DECLARATION UNDER 37 C.F.R. § 1.132

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Yooichiroh Maruyama, declare the following:

- (1) I graduated from WASEDA University in 1989, and obtained my Dr. of Eng. in 1994 from Graduate School of WASEDA University.
- (2) I have been employed with JSR CORPORATION since 1998, and have continued my employment with development of heat resistant transparent resin until the present time. I am currently engaged in the research and development of Yokkaichi Research Center.
- (3) I have read and am familiar with the above-identified United States patent application filed on June 2, 2006, Office Actions and cited references therein.
- (4) The following experiments were conducted by me or under my direct supervision:

Comparative Experiment Example 1

Polymerization was carried out in the same manner as in Example 5, except that the molecular weight modifier was changed from ethylene to styrene in 0.083 g (0.8 mmol, which corresponded to 1.0 mol% relative to all the monomers). The results are shown below. The conversion of monomers into polymer was 75%.

Comparative Experiment Example 2

Polymerization was carried out in the same manner as in Comparative Experiment Example 1, except that the phosphine compound was changed from tricyclohexylphosphine to tri-*o*-tolylphosphine. The results are shown below. The conversion of monomers into polymer was 62%.

	Molecular weight modifier		Conversion into polymer (%)	Content of structural unit derived from monomer A (mol%)	Molecular weight of polymer ($\times 10^4$)	
	Type	Amount added (mol%)			Mn	Mw
Comp. Exp. Ex. 1	Styrene	1.0	75	9.0	3.8	17.0
Comp. Exp. Ex. 2	Styrene	1.0	62	9.3	5.8	24.6

I further declare that all statements made herein of my own knowledge are true and that all statements on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

Date: March 16 2009
By: Yooichiroh Maruyama
(Yooichiroh Maruyama)